

NOOS 1

NOOS 1 TW

MAIN CHARACTERISTICS

Applications	Street and urban lighting.
Optic	STE-M/S: Asymmetrical optic for suburban street lighting. STU-M/S: Asymmetrical optic for street, urban and cycle-path lighting. STW: Asymmetrical optic for wide urban and suburban road lighting, specific for wet asphalts. SV: Asymmetrical optic for very narrow urban streets or highway entrance/exit turns. S05/S07: Asymmetrical optic for street, urban and green areas lighting. STA/STA1: Asymmetrical optic for wide urban road and cycle-path lighting. Colour temperature adjustable: DF: 3000K ÷ 2200K, DE: 2700K ÷ 2200K, EG: 4000K ÷ 2700K (others on request) CRI≥70 LOR= 100%, DLOR= 100%, ULOR= 0% Photobiological safety class: EXEMPT GROUP
Insulation class	II, I
Protection degree	IP66/IP67 IK09, IK08 for ZHAGA I and ZHAGA I/S versions.
Dimensions	See the drawing
Weight	max 6 kg
Exposed surface	Side: 0.056m ² – Top: 0.104 m ² SCx: 0.061 m ²
Mounting	TP: Post-top mounting Ø76-102-127mm. BR: Bracket Ø60mm. BRF-L: Post-top mounting Ø102-127mm, with bracket L.500mm and L.1000mm. AC: Bracket on poles Ø102-114-127mm AM: Wall mounting.
Tilt Angle	0°
LED Modules	Removable / Replaceable.
Gear tray	Removable. Removable plate optional.
Operating temp.	-40°C / +55°C
Storage temp	-40°C / +80°C
Main reference standards	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3



ELECTRICAL CHARACTERISTICS

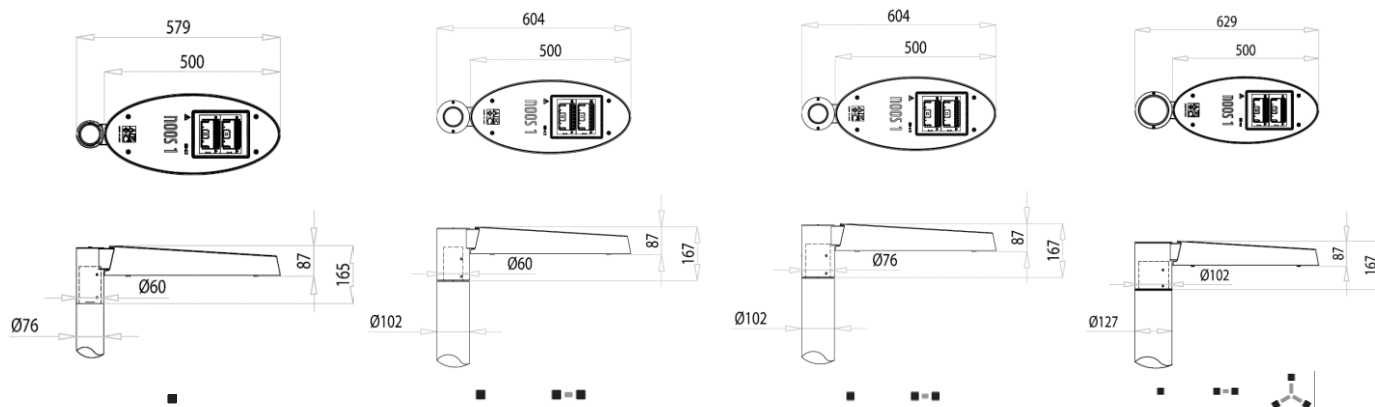
Rated voltage	220+240V 50/60Hz (Standard tolerance +/-10%, other voltages and tolerances upon request)
Power factor	>0,95 (at full load - F, DA, DAC)
Mains connection	Cable H07RN-F nx1.5mm ² Optional: connector M/F IP66/68 for cables max. 2,5mm ² , Ø max. 12mm
Surge protection	Up to 12kV With SPD: CL.II: 10kV / 10kV CM/DM CL.I: 12kV / 10kV CM/DM Without SPD: CL.II: 10kV / 6kV CM/DM CL.I: 10kV / 6kV CM/DM
SPD (optional)	12kV-10kA, type 2+3, with LED signal and thermo fuse to disconnect load at the end of life.
Control system (options)	TWC1: Tunable White constant flux profile with 1 color change. TWS1: Tunable White with reduction of luminous flux with 1 color change step. TWS2: Tunable White with reduction of luminous flux with 2 color change steps. NEMA: Socket 7 pin (ANSI C136.41). ZHAGA: Socket 4 pin (ZHAGA Book 18).
Optical unit lifetime (Tq=25°C)	>100.000hr L90B10 >100.000hr L90, TM-21

MATERIALS

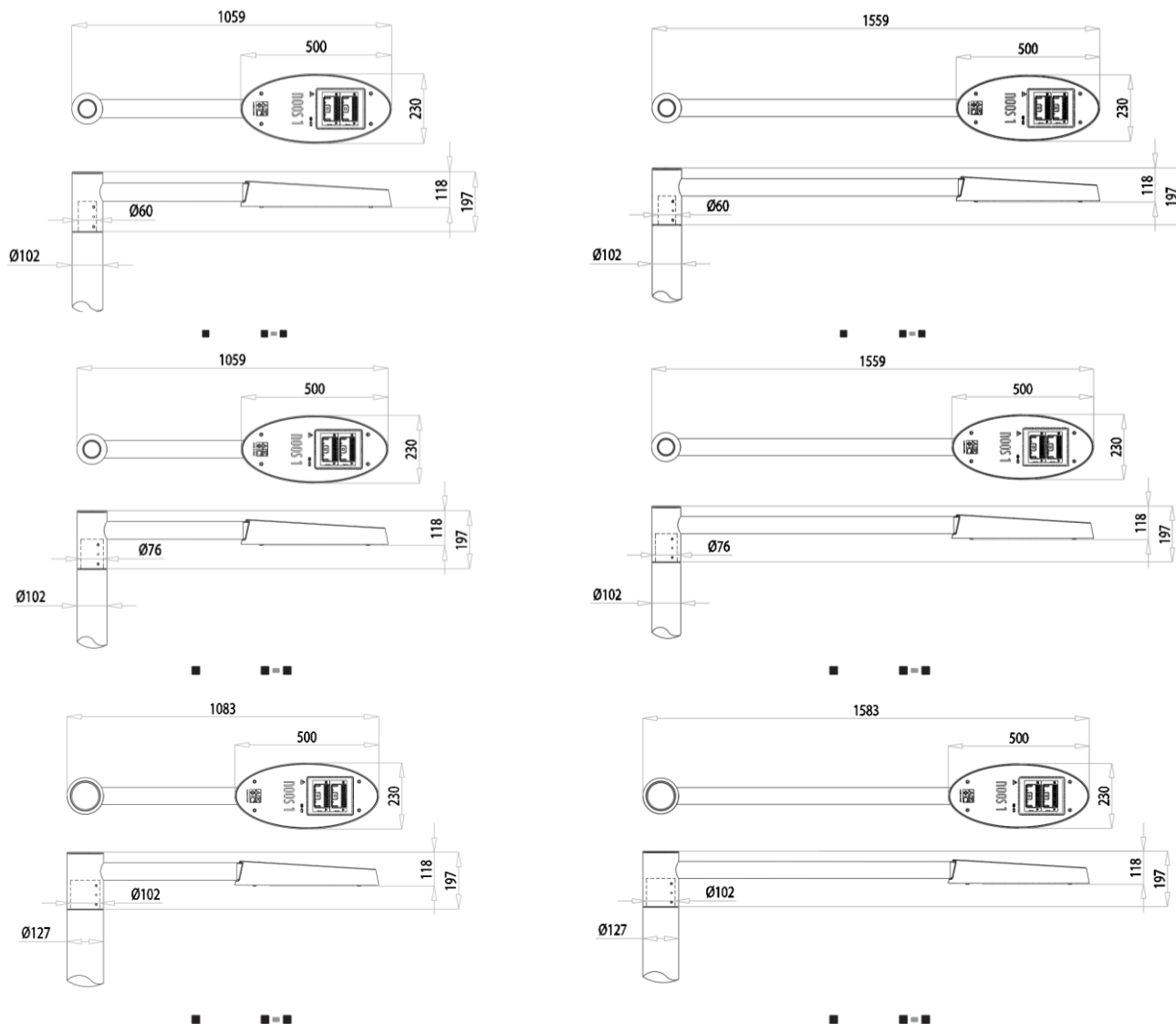
Fixing Body	Die-cast aluminum UNI EN1706 powder painted.
Closure	Stainless steel captive screws.
Optic	99.85% aluminum with a surface finish in 99.95% with vacuum-sealed deposition. Aluminum grade class A+ (DIN EN 16268)
Screen	Flat tempered glass, 5mm thickness high transparency.
Cable gland	Plastic M20x1.5 - IP68
Gasket	Polyurethane without joints.
Colour	Graphite - Cod. 01

FIXING DETAILS

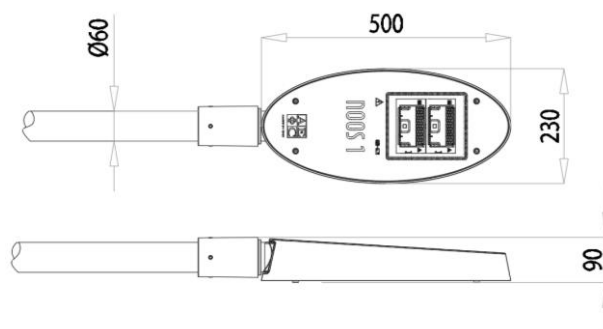
TP



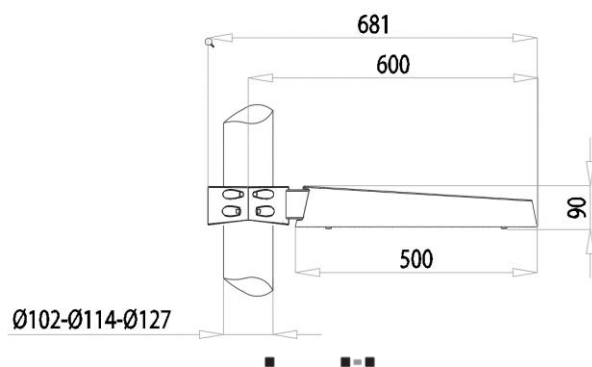
BRF-L



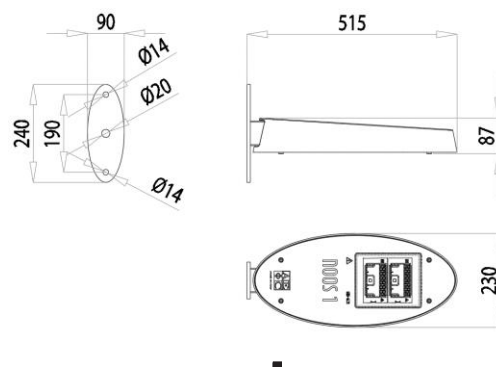
BR



AC

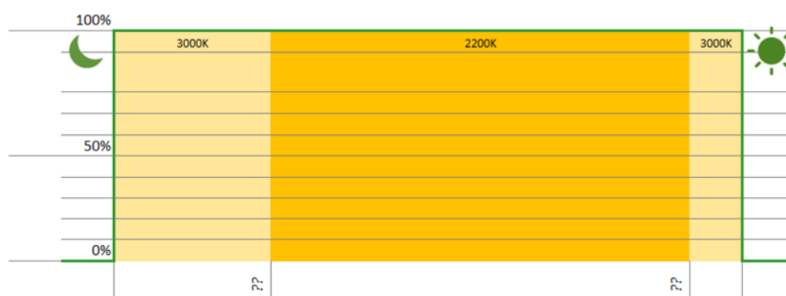


AM



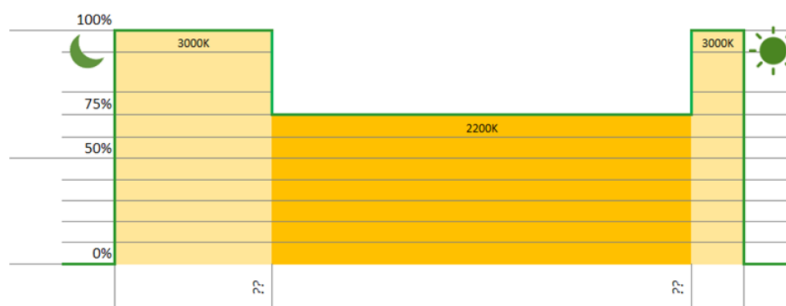
COLOR ADJUSTMENT PROFILES

TWC1

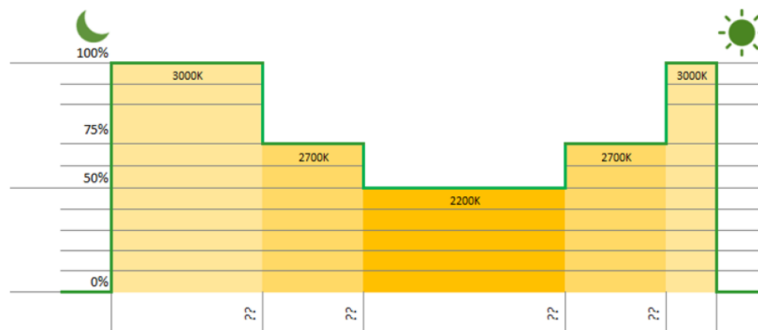


The TWC1 profile (Constant luminous flux profile with 1 color change) allows the use of Tunable White technology in contexts where it is necessary to guarantee the same level of luminous intensity throughout the night, but a change in color temperature is required at night.

TWS1



TWS2



The TWS1 and TWS2 profiles (Profiles with flow reduction at 1 or 2 color change steps) allow color change and reduction of luminous flux, allowing energy savings to be achieved. The flow reduction occurs at the same time as the color change. The reduction steps have been set so as to have exactly 75% and 50% of the initial flow of the luminaire and therefore allow a correct reduction of the flow depending on the lighting categories of the environment to be illuminated.

NOOS 1 5P5 DE

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE FLUX* (2400K, lm)	LUMINAIRE FLUX* (2200K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (2700K, lm/W)
NOOS 1 5P5 70DE.090-2M	S05 S07 STA STA1 STE-S STU-S	90	2300	2170	2070	19.1	120.4
NOOS 1 5P5 70DE.100-2M		100	2550	2410	2290	21.2	120.2
NOOS 1 5P5 70DE.120-2M		120	3040	2870	2730	24.5	124.0
NOOS 1 5P5 70DE.140-2M		140	3510	3320	3160	28.7	122.2
NOOS 1 5P5 70DE.160-2M		160	3960	3740	3560	31.7	124.9
NOOS 1 5P5 70DE.180-2M		180	4380	4140	3940	35.8	122.3
NOOS 1 5P5 70DE.200-2M	STE-M STU-M STW SV	200	4760	4500	4280	40	119.0
NOOS 1 5P5 70DE.090-2M		90	2350	2220	2110	19.1	123.0
NOOS 1 5P5 70DE.100-2M		100	2600	2460	2340	21.2	122.6
NOOS 1 5P5 70DE.120-2M		120	3100	2930	2790	24.5	126.5
NOOS 1 5P5 70DE.140-2M		140	3590	3390	3230	28.7	125.0
NOOS 1 5P5 70DE.160-2M		160	4050	3830	3650	31.7	127.7
NOOS 1 5P5 70DE.180-2M		180	4480	4230	4030	35.8	125.1
NOOS 1 5P5 70DE.200-2M		200	4870	4600	4380	40	121.7

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
 Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
 Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
 The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2700K, 100% of flux)			FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2200K, 100% of flux)		
NOOS 1 5P5 70DE.090-2M	S05 S07 STA STA1 STE-S STU-S	2080lm	17.3W	81mA (90%)	2070lm	19.1W	90mA (100%)
NOOS 1 5P5 70DE.100-2M		2300lm	19.1W	90mA (90%)	2290lm	21.2W	100mA (100%)
NOOS 1 5P5 70DE.120-2M		2740lm	22.1W	108mA (90%)	2730lm	24.5W	120mA (100%)
NOOS 1 5P5 70DE.140-2M		3160lm	25.5W	125mA (89%)	3160lm	28.7W	140mA (100%)
NOOS 1 5P5 70DE.160-2M		3560lm	28W	142mA (88%)	3560lm	31.7W	160mA (100%)
NOOS 1 5P5 70DE.180-2M		3940lm	31.5W	159mA (88%)	3940lm	35.8W	180mA (100%)
NOOS 1 5P5 70DE.200-2M	STE-M STU-M STW SV	4280lm	34.8W	175mA (87%)	4280lm	40W	200mA (100%)
NOOS 1 5P5 70DE.090-2M		2120lm	17.3W	81mA (90%)	2110lm	19.1W	90mA (100%)
NOOS 1 5P5 70DE.100-2M		2350lm	19.1W	90mA (90%)	2340lm	21.2W	100mA (100%)
NOOS 1 5P5 70DE.120-2M		2800lm	22.1W	108mA (90%)	2790lm	24.5W	120mA (100%)
NOOS 1 5P5 70DE.140-2M		3230lm	25.5W	125mA (89%)	3230lm	28.7W	140mA (100%)
NOOS 1 5P5 70DE.160-2M		3660lm	28.2W	143mA (89%)	3650lm	31.7W	160mA (100%)
NOOS 1 5P5 70DE.180-2M		4030lm	31.5W	159mA (88%)	4030lm	35.8W	180mA (100%)
NOOS 1 5P5 70DE.200-2M		4380lm	34.8W	175mA (87%)	4380lm	40W	200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
 Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
 Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
 The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 2700K, 100% of flux)	(Tq=25°C, 2200K, 75% of flux)
NOOS 1 5P5 70DE.090-2M	S05 S07 STA STA1 STE-S STU-S	2300lm 19.1W 90mA (100%)	1730lm 16.1W 75mA (83%)
NOOS 1 5P5 70DE.100-2M		2550lm 21.2W 100mA (100%)	1940lm 17.9W 84mA (84%)
NOOS 1 5P5 70DE.120-2M		3040lm 24.5W 120mA (100%)	2290lm 21.2W 100mA (83%)
NOOS 1 5P5 70DE.140-2M		3510lm 28.7W 140mA (100%)	2650lm 23.7W 116mA (82%)
NOOS 1 5P5 70DE.160-2M		3960lm 31.7W 160mA (100%)	2970lm 26.8W 131mA (81%)
NOOS 1 5P5 70DE.180-2M		4380lm 35.8W 180mA (100%)	3300lm 29W 147mA (81%)
NOOS 1 5P5 70DE.200-2M	STE-M STU-M STW SV	4760lm 40W 200mA (100%)	3580lm 31.9W 161mA (80%)
NOOS 1 5P5 70DE.090-2M		2350lm 19.1W 90mA (100%)	1770lm 16.1W 75mA (83%)
NOOS 1 5P5 70DE.100-2M		2600lm 21.2W 100mA (100%)	1950lm 17.7W 83mA (83%)
NOOS 1 5P5 70DE.120-2M		3100lm 24.5W 120mA (100%)	2340lm 21.2W 100mA (83%)
NOOS 1 5P5 70DE.140-2M		3590lm 28.7W 140mA (100%)	2700lm 23.7W 116mA (82%)
NOOS 1 5P5 70DE.160-2M		4050lm 31.7W 160mA (100%)	3040lm 26.8W 131mA (81%)
NOOS 1 5P5 70DE.180-2M		4480lm 35.8W 180mA (100%)	3360lm 28.8W 146mA (81%)
NOOS 1 5P5 70DE.200-2M		4870lm 40W 200mA (100%)	3670lm 31.9W 161mA (80%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 2700K, 100% of flux)	(Tq=25°C, 2400K, 75% of flux)	(Tq=25°C, 2200K, 50% of flux)
NOOS 1 5P5 70DE.090-2M	S05 S07 STA STA1 STE-S STU-S	2300lm 19.1W 90mA (100%)	1730lm 15.3W	1160lm 11.1W 49mA (54%)
NOOS 1 5P5 70DE.100-2M		2550lm 21.2W 100mA (100%)	1940lm 17.1W	1290lm 12.2W 55mA (55%)
NOOS 1 5P5 70DE.120-2M		3040lm 24.5W 120mA (100%)	2290lm 20.2W	1530lm 14.3W 66mA (55%)
NOOS 1 5P5 70DE.140-2M		3510lm 28.7W 140mA (100%)	2640lm 22.5W	1760lm 16.3W 76mA (54%)
NOOS 1 5P5 70DE.160-2M		3960lm 31.7W 160mA (100%)	2980lm 25.5W	1980lm 18.3W 86mA (53%)
NOOS 1 5P5 70DE.180-2M		4380lm 35.8W 180mA (100%)	3290lm 28.5W	2200lm 20.4W 96mA (53%)
NOOS 1 5P5 70DE.200-2M	STE-M STU-M STW SV	4760lm 40W 200mA (100%)	3570lm 30W	2380lm 21.2W 104mA (52%)
NOOS 1 5P5 70DE.090-2M		2350lm 19.1W 90mA (100%)	1790lm 15.5W	1180lm 11.1W 49mA (54%)
NOOS 1 5P5 70DE.100-2M		2600lm 21.2W 100mA (100%)	1950lm 16.9W	1300lm 12W 54mA (54%)
NOOS 1 5P5 70DE.120-2M		3100lm 24.5W 120mA (100%)	2340lm 20.2W	1570lm 14.3W 66mA (55%)
NOOS 1 5P5 70DE.140-2M		3590lm 28.7W 140mA (100%)	2700lm 22.5W	1820lm 16.5W 77mA (55%)
NOOS 1 5P5 70DE.160-2M		4050lm 31.7W 160mA (100%)	3050lm 25.5W	2040lm 18.5W 87mA (54%)
NOOS 1 5P5 70DE.180-2M		4480lm 35.8W 180mA (100%)	3370lm 28.5W	2250lm 20.4W 96mA (53%)
NOOS 1 5P5 70DE.200-2M		4870lm 40W 200mA (100%)	3660lm 30W	2450lm 21.4W 105mA (52%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

NOOS 1 4P4 DE

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE FLUX* (2400K, lm)	LUMINAIRE FLUX* (2200K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (2700K, lm/W)
NOOS 1 4P4 70DE.120-2M		120	2430	2290	2180	19.6	123.9
NOOS 1 4P4 70DE.140-2M	S05	140	2810	2650	2530	23	122.1
NOOS 1 4P4 70DE.160-2M	S07	160	3170	2990	2850	25.4	124.8
NOOS 1 4P4 70DE.180-2M	STE-S	180	3510	3310	3150	28.7	122.2
NOOS 1 4P4 70DE.200-2M		200	3810	3600	3430	31.9	119.4
NOOS 1 4P4 70DE.120-2M		120	2460	2320	2210	19.6	125.5
NOOS 1 4P4 70DE.140-2M	STA	140	2840	2690	2560	23	123.4
NOOS 1 4P4 70DE.160-2M	STA1	160	3210	3030	2890	25.4	126.3
NOOS 1 4P4 70DE.180-2M	STU-S	180	3550	3350	3190	28.7	123.6
NOOS 1 4P4 70DE.200-2M		200	3850	3640	3470	31.9	120.6
NOOS 1 4P4 70DE.120-2M		120	2510	2370	2260	19.6	128.0
NOOS 1 4P4 70DE.140-2M	STE-M	140	2910	2750	2620	23	126.5
NOOS 1 4P4 70DE.160-2M	STU-M	160	3280	3100	2950	25.4	129.1
NOOS 1 4P4 70DE.180-2M	STW	180	3630	3430	3270	28.7	126.4
NOOS 1 4P4 70DE.200-2M	SV	200	3940	3720	3550	31.9	123.5

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2700K, 100% of flux)	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2200K, 100% of flux)
NOOS 1 4P4 70DE.120-2M		2190lm 17.7W 108mA (90%)	2180lm 19.6W 120mA (100%)
NOOS 1 4P4 70DE.140-2M	S05	2540lm 20.6W 126mA (90%)	2530lm 23W 140mA (100%)
NOOS 1 4P4 70DE.160-2M	S07	2850lm 22.5W 142mA (88%)	2850lm 25.4W 160mA (100%)
NOOS 1 4P4 70DE.180-2M	STE-S	3150lm 25.3W 159mA (88%)	3150lm 28.7W 180mA (100%)
NOOS 1 4P4 70DE.200-2M		3440lm 28W 176mA (88%)	3430lm 31.9W 200mA (100%)
NOOS 1 4P4 70DE.120-2M		2220lm 17.7W 108mA (90%)	2210lm 19.6W 120mA (100%)
NOOS 1 4P4 70DE.140-2M	STA	2560lm 20.5W 125mA (89%)	2560lm 23W 140mA (100%)
NOOS 1 4P4 70DE.160-2M	STA1	2900lm 22.6W 143mA (89%)	2890lm 25.4W 160mA (100%)
NOOS 1 4P4 70DE.180-2M	STU-S	3190lm 25.3W 159mA (88%)	3190lm 28.7W 180mA (100%)
NOOS 1 4P4 70DE.200-2M		3480lm 28W 176mA (88%)	3470lm 31.9W 200mA (100%)
NOOS 1 4P4 70DE.120-2M		2270lm 17.7W 108mA (90%)	2260lm 19.6W 120mA (100%)
NOOS 1 4P4 70DE.140-2M	STE-M	2630lm 20.6W 126mA (90%)	2620lm 23W 140mA (100%)
NOOS 1 4P4 70DE.160-2M	STU-M	2950lm 22.5W 142mA (88%)	2950lm 25.4W 160mA (100%)
NOOS 1 4P4 70DE.180-2M	STW	3280lm 25.4W 160mA (88%)	3270lm 28.7W 180mA (100%)
NOOS 1 4P4 70DE.200-2M	SV	3560lm 28W 176mA (88%)	3550lm 31.9W 200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 2700K, 100% of flux)	(Tq=25°C, 2200K, 75% of flux)
NOOS 1 4P4 70DE.120-2M		2430lm 19.6W 120mA (100%)	1830lm 17W 100mA (83%)
NOOS 1 4P4 70DE.140-2M	S05	2810lm 23W 140mA (100%)	2110lm 19W 116mA (82%)
NOOS 1 4P4 70DE.160-2M	S07	3170lm 25.4W 160mA (100%)	2390lm 21.7W 132mA (82%)
NOOS 1 4P4 70DE.180-2M	STE-S	3510lm 28.7W 180mA (100%)	2640lm 23.3W 147mA (81%)
NOOS 1 4P4 70DE.200-2M		3810lm 31.9W 200mA (100%)	2870lm 25.6W 161mA (80%)
NOOS 1 4P4 70DE.120-2M		2460lm 19.6W 120mA (100%)	1850lm 17W 100mA (83%)
NOOS 1 4P4 70DE.140-2M	STA	2840lm 23W 140mA (100%)	2140lm 19W 116mA (82%)
NOOS 1 4P4 70DE.160-2M	STA1	3210lm 25.4W 160mA (100%)	2410lm 21.5W 131mA (81%)
NOOS 1 4P4 70DE.180-2M	STU-S	3550lm 28.7W 180mA (100%)	2680lm 23.3W 147mA (81%)
NOOS 1 4P4 70DE.200-2M		3850lm 31.9W 200mA (100%)	2890lm 25.4W 160mA (80%)
NOOS 1 4P4 70DE.120-2M		2510lm 19.6W 120mA (100%)	1900lm 17W 100mA (83%)
NOOS 1 4P4 70DE.140-2M	STE-M	2910lm 23W 140mA (100%)	2190lm 19W 116mA (82%)
NOOS 1 4P4 70DE.160-2M	STU-M	3280lm 25.4W 160mA (100%)	2460lm 21.5W 131mA (81%)
NOOS 1 4P4 70DE.180-2M	STW	3630lm 28.7W 180mA (100%)	2740lm 23.3W 147mA (81%)
NOOS 1 4P4 70DE.200-2M	SV	3940lm 31.9W 200mA (100%)	2970lm 25.6W 161mA (80%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 2700K, 100% of flux)	(Tq=25°C, 2400K, 75% of flux)	(Tq=25°C, 2200K, 50% of flux)
NOOS 1 4P4 70DE.120-2M		2430lm 19.6W 120mA (100%)	1830lm 16.2W	1220lm 11.6W 66mA (55%)
NOOS 1 4P4 70DE.140-2M	S05	2810lm 23W 140mA (100%)	2110lm 18W	1420lm 13.3W 77mA (55%)
NOOS 1 4P4 70DE.160-2M	S07	3170lm 25.4W 160mA (100%)	2380lm 20.5W	1600lm 14.9W 87mA (54%)
NOOS 1 4P4 70DE.180-2M	STE-S	3510lm 28.7W 180mA (100%)	2650lm 23W	1760lm 16.3W 96mA (53%)
NOOS 1 4P4 70DE.200-2M		3810lm 31.9W 200mA (100%)	2860lm 24.1W	1920lm 17.2W 105mA (52%)
NOOS 1 4P4 70DE.120-2M		2460lm 19.6W 120mA (100%)	1850lm 16.2W	1240lm 11.6W 66mA (55%)
NOOS 1 4P4 70DE.140-2M	STA	2840lm 23W 140mA (100%)	2140lm 18W	1420lm 13.1W 76mA (54%)
NOOS 1 4P4 70DE.160-2M	STA1	3210lm 25.4W 160mA (100%)	2410lm 20.5W	1620lm 14.9W 87mA (54%)
NOOS 1 4P4 70DE.180-2M	STU-S	3550lm 28.7W 180mA (100%)	2670lm 22.8W	1780lm 16.3W 96mA (53%)
NOOS 1 4P4 70DE.200-2M		3850lm 31.9W 200mA (100%)	2900lm 24.1W	1930lm 17W 104mA (52%)
NOOS 1 4P4 70DE.120-2M		2510lm 19.6W 120mA (100%)	1890lm 16.2W	1270lm 11.6W 66mA (55%)
NOOS 1 4P4 70DE.140-2M	STE-M	2910lm 23W 140mA (100%)	2200lm 18.2W	1470lm 13.3W 77mA (55%)
NOOS 1 4P4 70DE.160-2M	STU-M	3280lm 25.4W 160mA (100%)	2470lm 20.5W	1640lm 14.7W 86mA (53%)
NOOS 1 4P4 70DE.180-2M	STW	3630lm 28.7W 180mA (100%)	2730lm 22.8W	1820lm 16.3W 96mA (53%)
NOOS 1 4P4 70DE.200-2M	SV	3940lm 31.9W 200mA (100%)	2960lm 24.1W	1970lm 17W 104mA (52%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

NOOS 1 5P5 DF

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (3000K, lm)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE FLUX* (2200K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (3000K, lm/W)
NOOS 1 5P5 70DF.090-2M	S05 S07 STA STA1 STE-S STU-S	90	2400	2300	2070	19.1	125.6
NOOS 1 5P5 70DF.100-2M		100	2660	2550	2290	21.2	125.4
NOOS 1 5P5 70DF.120-2M		120	3170	3040	2730	24.5	129.3
NOOS 1 5P5 70DF.140-2M		140	3670	3510	3160	28.7	127.8
NOOS 1 5P5 70DF.160-2M		160	4140	3960	3560	31.7	130.5
NOOS 1 5P5 70DF.180-2M		180	4580	4380	3940	35.8	127.9
NOOS 1 5P5 70DF.200-2M	STE-M STU-M STW SV	200	4970	4760	4280	40	124.2
NOOS 1 5P5 70DF.090-2M		90	2450	2350	2110	19.1	128.2
NOOS 1 5P5 70DF.100-2M		100	2720	2600	2340	21.2	128.3
NOOS 1 5P5 70DF.120-2M		120	3240	3100	2790	24.5	132.2
NOOS 1 5P5 70DF.140-2M		140	3750	3590	3230	28.7	130.6
NOOS 1 5P5 70DF.160-2M		160	4230	4050	3650	31.7	133.4
NOOS 1 5P5 70DF.180-2M		180	4680	4480	4030	35.8	130.7
NOOS 1 5P5 70DF.200-2M		200	5090	4870	4380	40	127.2

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 3000K, 100% of flux)			FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2200K, 100% of flux)		
NOOS 1 5P5 70DF.090-2M	S05 S07 STA STA1 STE-S STU-S	2090lm	16.7W	78mA (86%)	2070lm	19.1W	90mA (100%)
NOOS 1 5P5 70DF.100-2M		2300lm	18.3W	86mA (86%)	2290lm	21.2W	100mA (100%)
NOOS 1 5P5 70DF.120-2M		2740lm	21W	103mA (85%)	2730lm	24.5W	120mA (100%)
NOOS 1 5P5 70DF.140-2M		3170lm	24.5W	120mA (85%)	3160lm	28.7W	140mA (100%)
NOOS 1 5P5 70DF.160-2M		3570lm	27.8W	136mA (85%)	3560lm	31.7W	160mA (100%)
NOOS 1 5P5 70DF.180-2M		3950lm	30W	152mA (84%)	3940lm	35.8W	180mA (100%)
NOOS 1 5P5 70DF.200-2M	STE-M STU-M STW SV	4290lm	33.1W	167mA (83%)	4280lm	40W	200mA (100%)
NOOS 1 5P5 70DF.090-2M		2110lm	16.5W	77mA (85%)	2110lm	19.1W	90mA (100%)
NOOS 1 5P5 70DF.100-2M		2350lm	18.3W	86mA (86%)	2340lm	21.2W	100mA (100%)
NOOS 1 5P5 70DF.120-2M		2800lm	21W	103mA (85%)	2790lm	24.5W	120mA (100%)
NOOS 1 5P5 70DF.140-2M		3240lm	24.5W	120mA (85%)	3230lm	28.7W	140mA (100%)
NOOS 1 5P5 70DF.160-2M		3650lm	27.8W	136mA (85%)	3650lm	31.7W	160mA (100%)
NOOS 1 5P5 70DF.180-2M		4040lm	30W	152mA (84%)	4030lm	35.8W	180mA (100%)
NOOS 1 5P5 70DF.200-2M		4400lm	33.1W	167mA (83%)	4380lm	40W	200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 3000K, 100% of flux)	(Tq=25°C, 2200K, 75% of flux)
NOOS 1 5P5 70DF.090-2M	S05 S07 STA STA1 STE-S STU-S	2400lm 19.1W 90mA (100%)	1800lm 16.7W 78mA (86%)
NOOS 1 5P5 70DF.100-2M		2660lm 21.2W 100mA (100%)	2000lm 18.5W 87mA (87%)
NOOS 1 5P5 70DF.120-2M		3170lm 24.5W 120mA (100%)	2380lm 21.2W 104mA (86%)
NOOS 1 5P5 70DF.140-2M		3670lm 28.7W 140mA (100%)	2780lm 24.9W 122mA (87%)
NOOS 1 5P5 70DF.160-2M		4140lm 31.7W 160mA (100%)	3120lm 28.3W 138mA (86%)
NOOS 1 5P5 70DF.180-2M		4580lm 35.8W 180mA (100%)	3450lm 30.5W 154mA (85%)
NOOS 1 5P5 70DF.200-2M	STE-M STU-M STW SV	4970lm 40W 200mA (100%)	3740lm 33.5W 169mA (84%)
NOOS 1 5P5 70DF.090-2M		2450lm 19.1W 90mA (100%)	1840lm 16.7W 78mA (86%)
NOOS 1 5P5 70DF.100-2M		2720lm 21.2W 100mA (100%)	2040lm 18.5W 87mA (87%)
NOOS 1 5P5 70DF.120-2M		3240lm 24.5W 120mA (100%)	2430lm 21.2W 104mA (86%)
NOOS 1 5P5 70DF.140-2M		3750lm 28.7W 140mA (100%)	2820lm 24.7W 121mA (86%)
NOOS 1 5P5 70DF.160-2M		4230lm 31.7W 160mA (100%)	3190lm 28.3W 138mA (86%)
NOOS 1 5P5 70DF.180-2M		4680lm 35.8W 180mA (100%)	3510lm 30.3W 153mA (85%)
NOOS 1 5P5 70DF.200-2M		5090lm 40W 200mA (100%)	3830lm 33.5W 169mA (84%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*	FLUX LUMINAIRE POWER*	FLUX LUMINAIRE POWER LED CURRENT*
		(Tq=25°C, 3000K, 100% of flux)	(Tq=25°C, 2700K, 75% of flux)	(Tq=25°C, 2200K, 50% of flux)
NOOS 1 5P5 70DF.090-2M	S05 S07 STA STA1 STE-S STU-S	2400lm 19.1W 90mA (100%)	1800lm 15.1W	1200lm 11.5W 51mA (56%)
NOOS 1 5P5 70DF.100-2M		2660lm 21.2W 100mA (100%)	2000lm 16.7W	1330lm 12.6W 57mA (56%)
NOOS 1 5P5 70DF.120-2M		3170lm 24.5W 120mA (100%)	2400lm 20W	1600lm 14.9W 69mA (57%)
NOOS 1 5P5 70DF.140-2M		3670lm 28.7W 140mA (100%)	2770lm 22.3W	1850lm 17.1W 80mA (57%)
NOOS 1 5P5 70DF.160-2M		4140lm 31.7W 160mA (100%)	3110lm 25.1W	2070lm 19.1W 90mA (56%)
NOOS 1 5P5 70DF.180-2M		4580lm 35.8W 180mA (100%)	3440lm 28W	2290lm 21.2W 100mA (55%)
NOOS 1 5P5 70DF.200-2M	STE-M STU-M STW SV	4970lm 40W 200mA (100%)	3740lm 29.6W	2490lm 22.3W 109mA (54%)
NOOS 1 5P5 70DF.090-2M		2450lm 19.1W 90mA (100%)	1840lm 15.1W	1230lm 11.5W 51mA (56%)
NOOS 1 5P5 70DF.100-2M		2720lm 21.2W 100mA (100%)	2040lm 16.7W	1360lm 12.6W 57mA (56%)
NOOS 1 5P5 70DF.120-2M		3240lm 24.5W 120mA (100%)	2450lm 20W	1630lm 14.9W 69mA (57%)
NOOS 1 5P5 70DF.140-2M		3750lm 28.7W 140mA (100%)	2830lm 22.3W	1880lm 17.1W 80mA (57%)
NOOS 1 5P5 70DF.160-2M		4230lm 31.7W 160mA (100%)	3180lm 25.1W	2140lm 19.3W 91mA (56%)
NOOS 1 5P5 70DF.180-2M		4680lm 35.8W 180mA (100%)	3520lm 28W	2340lm 21.2W 100mA (55%)
NOOS 1 5P5 70DF.200-2M		5090lm 40W 200mA (100%)	3830lm 29.6W	2550lm 22.3W 109mA (54%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

NOOS 1 4P4 DF

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (3000K, lm)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE FLUX* (2200K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (3000K, lm/W)
NOOS 1 4P4 70DF.120-2M		120	2530	2430	2180	19.6	129.0
NOOS 1 4P4 70DF.140-2M	S05	140	2930	2810	2530	23	127.3
NOOS 1 4P4 70DF.160-2M	S07	160	3310	3170	2850	25.4	130.3
NOOS 1 4P4 70DF.180-2M	STE-S	180	3660	3510	3150	28.7	127.5
NOOS 1 4P4 70DF.200-2M		200	3980	3810	3430	31.9	124.7
NOOS 1 4P4 70DF.120-2M		120	2570	2460	2210	19.6	131.1
NOOS 1 4P4 70DF.140-2M	STA	140	2970	2840	2560	23	129.1
NOOS 1 4P4 70DF.160-2M	STA1	160	3350	3210	2890	25.4	131.8
NOOS 1 4P4 70DF.180-2M	STU-S	180	3710	3550	3190	28.7	129.2
NOOS 1 4P4 70DF.200-2M		200	4020	3850	3470	31.9	126.0
NOOS 1 4P4 70DF.120-2M		120	2620	2510	2260	19.6	133.6
NOOS 1 4P4 70DF.140-2M	STE-M	140	3040	2910	2620	23	132.1
NOOS 1 4P4 70DF.160-2M	STU-M	160	3430	3280	2950	25.4	135.0
NOOS 1 4P4 70DF.180-2M	STW	180	3790	3630	3270	28.7	132.0
NOOS 1 4P4 70DF.200-2M	SV	200	4120	3940	3550	31.9	129.1

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 3000K, 100% of flux)	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2200K, 100% of flux)
NOOS 1 4P4 70DF.120-2M		2190lm 16.9W 103mA (85%)	2180lm 19.6W 120mA (100%)
NOOS 1 4P4 70DF.140-2M	S05	2530lm 19.6W 120mA (85%)	2530lm 23W 140mA (100%)
NOOS 1 4P4 70DF.160-2M	S07	2850lm 22.3W 136mA (85%)	2850lm 25.4W 160mA (100%)
NOOS 1 4P4 70DF.180-2M	STE-S	3160lm 24.1W 152mA (84%)	3150lm 28.7W 180mA (100%)
NOOS 1 4P4 70DF.200-2M		3440lm 26.6W 167mA (83%)	3430lm 31.9W 200mA (100%)
NOOS 1 4P4 70DF.120-2M		2220lm 16.9W 103mA (85%)	2210lm 19.6W 120mA (100%)
NOOS 1 4P4 70DF.140-2M	STA	2570lm 19.6W 120mA (85%)	2560lm 23W 140mA (100%)
NOOS 1 4P4 70DF.160-2M	STA1	2890lm 22.3W 136mA (85%)	2890lm 25.4W 160mA (100%)
NOOS 1 4P4 70DF.180-2M	STU-S	3200lm 24.1W 152mA (84%)	3190lm 28.7W 180mA (100%)
NOOS 1 4P4 70DF.200-2M		3480lm 26.6W 167mA (83%)	3470lm 31.9W 200mA (100%)
NOOS 1 4P4 70DF.120-2M		2260lm 16.9W 103mA (85%)	2260lm 19.6W 120mA (100%)
NOOS 1 4P4 70DF.140-2M	STE-M	2620lm 19.6W 120mA (85%)	2620lm 23W 140mA (100%)
NOOS 1 4P4 70DF.160-2M	STU-M	2960lm 22.3W 136mA (85%)	2950lm 25.4W 160mA (100%)
NOOS 1 4P4 70DF.180-2M	STW	3290lm 24.3W 153mA (85%)	3270lm 28.7W 180mA (100%)
NOOS 1 4P4 70DF.200-2M	SV	3560lm 26.6W 167mA (83%)	3550lm 31.9W 200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 3000K, 100% of flux)			(Tq=25°C, 2200K, 75% of flux)		
NOOS 1 4P4 70DF.120-2M		2530lm	19.6W	120mA (100%)	1900lm	17W	104mA (86%)
NOOS 1 4P4 70DF.140-2M	S05	2930lm	23W	140mA (100%)	2200lm	19.8W	121mA (86%)
NOOS 1 4P4 70DF.160-2M	S07	3310lm	25.4W	160mA (100%)	2490lm	22.7W	138mA (86%)
NOOS 1 4P4 70DF.180-2M	STE-S	3660lm	28.7W	180mA (100%)	2760lm	24.4W	154mA (85%)
NOOS 1 4P4 70DF.200-2M		3980lm	31.9W	200mA (100%)	2990lm	26.9W	169mA (84%)
NOOS 1 4P4 70DF.120-2M		2570lm	19.6W	120mA (100%)	1930lm	17W	104mA (86%)
NOOS 1 4P4 70DF.140-2M	STA	2970lm	23W	140mA (100%)	2230lm	19.8W	121mA (86%)
NOOS 1 4P4 70DF.160-2M	STA1	3350lm	25.4W	160mA (100%)	2530lm	22.7W	138mA (86%)
NOOS 1 4P4 70DF.180-2M	STU-S	3710lm	28.7W	180mA (100%)	2790lm	24.4W	154mA (85%)
NOOS 1 4P4 70DF.200-2M		4020lm	31.9W	200mA (100%)	3030lm	26.9W	169mA (84%)
NOOS 1 4P4 70DF.120-2M		2620lm	19.6W	120mA (100%)	1970lm	17W	104mA (86%)
NOOS 1 4P4 70DF.140-2M	STE-M	3040lm	23W	140mA (100%)	2280lm	19.8W	121mA (86%)
NOOS 1 4P4 70DF.160-2M	STU-M	3430lm	25.4W	160mA (100%)	2580lm	22.7W	138mA (86%)
NOOS 1 4P4 70DF.180-2M	STW	3790lm	28.7W	180mA (100%)	2850lm	24.4W	154mA (85%)
NOOS 1 4P4 70DF.200-2M	SV	4120lm	31.9W	200mA (100%)	3100lm	26.9W	169mA (84%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 3000K, 100% of flux)			(Tq=25°C, 2700K, 75% of flux)			(Tq=25°C, 2200K, 50% of flux)		
NOOS 1 4P4 70DF.120-2M		2530lm	19.6W	120mA (100%)	1910lm	16W		1280lm	12W	69mA (57%)
NOOS 1 4P4 70DF.140-2M	S05	2930lm	23W	140mA (100%)	2210lm	17.8W		1470lm	13.7W	80mA (57%)
NOOS 1 4P4 70DF.160-2M	S07	3310lm	25.4W	160mA (100%)	2490lm	20.1W		1670lm	15.5W	91mA (56%)
NOOS 1 4P4 70DF.180-2M	STE-S	3660lm	28.7W	180mA (100%)	2750lm	22.5W		1830lm	17W	100mA (55%)
NOOS 1 4P4 70DF.200-2M		3980lm	31.9W	200mA (100%)	2990lm	23.8W		1990lm	17.8W	109mA (54%)
NOOS 1 4P4 70DF.120-2M		2570lm	19.6W	120mA (100%)	1940lm	16W		1290lm	12W	69mA (57%)
NOOS 1 4P4 70DF.140-2M	STA	2970lm	23W	140mA (100%)	2240lm	17.8W		1490lm	13.7W	80mA (57%)
NOOS 1 4P4 70DF.160-2M	STA1	3350lm	25.4W	160mA (100%)	2520lm	20.1W		1690lm	15.5W	91mA (56%)
NOOS 1 4P4 70DF.180-2M	STU-S	3710lm	28.7W	180mA (100%)	2790lm	22.5W		1870lm	16.5W	101mA (56%)
NOOS 1 4P4 70DF.200-2M		4020lm	31.9W	200mA (100%)	3030lm	23.8W		2020lm	17.8W	109mA (54%)
NOOS 1 4P4 70DF.120-2M		2620lm	19.6W	120mA (100%)	1980lm	16W		1320lm	12W	69mA (57%)
NOOS 1 4P4 70DF.140-2M	STE-M	3040lm	23W	140mA (100%)	2290lm	17.8W		1520lm	13.7W	80mA (57%)
NOOS 1 4P4 70DF.160-2M	STU-M	3430lm	25.4W	160mA (100%)	2590lm	20.3W		1730lm	15.5W	91mA (56%)
NOOS 1 4P4 70DF.180-2M	STW	3790lm	28.7W	180mA (100%)	2850lm	22.5W		1900lm	17W	100mA (55%)
NOOS 1 4P4 70DF.200-2M	SV	4120lm	31.9W	200mA (100%)	3100lm	23.8W		2060lm	17.8W	109mA (54%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

NOOS 1 5P5 EG

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (4000K, lm)	LUMINAIRE FLUX* (3000K, lm)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (4000K, lm/W)
NOOS 1 5P5 70EG.090-2M	S05 S07 STA STA1 STE-S STU-S	90	2550	2400	2300	19.1	133.5
NOOS 1 5P5 70EG.100-2M		100	2830	2660	2550	21.2	133.4
NOOS 1 5P5 70EG.120-2M		120	3370	3170	3040	24.5	137.5
NOOS 1 5P5 70EG.140-2M		140	3900	3670	3510	28.7	135.8
NOOS 1 5P5 70EG.160-2M		160	4400	4140	3960	31.7	138.8
NOOS 1 5P5 70EG.180-2M		180	4870	4580	4380	35.8	136.0
NOOS 1 5P5 70EG.200-2M	STE-M STU-M STW SV	200	5290	4970	4760	40	132.2
NOOS 1 5P5 70EG.090-2M		90	2610	2450	2350	19.1	136.6
NOOS 1 5P5 70EG.100-2M		100	2890	2720	2600	21.2	136.3
NOOS 1 5P5 70EG.120-2M		120	3450	3240	3100	24.5	140.8
NOOS 1 5P5 70EG.140-2M		140	3990	3750	3590	28.7	139.0
NOOS 1 5P5 70EG.160-2M		160	4500	4230	4050	31.7	141.9
NOOS 1 5P5 70EG.180-2M		180	4980	4680	4480	35.8	139.1
NOOS 1 5P5 70EG.200-2M		200	5410	5090	4870	40	135.2

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 4000K, 100% of flux)			FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2700K, 100% of flux)		
NOOS 1 5P5 70EG.090-2M	S05 S07 STA STA1 STE-S STU-S	2310lm	17.3W	81mA (90%)	2300lm	19.1W	90mA (100%)
NOOS 1 5P5 70EG.100-2M		2550lm	19.1W	90mA (90%)	2550lm	21.2W	100mA (100%)
NOOS 1 5P5 70EG.120-2M		3050lm	22.1W	108mA (90%)	3040lm	24.5W	120mA (100%)
NOOS 1 5P5 70EG.140-2M		3510lm	25.5W	125mA (89%)	3510lm	28.7W	140mA (100%)
NOOS 1 5P5 70EG.160-2M		3980lm	28.2W	143mA (89%)	3960lm	31.7W	160mA (100%)
NOOS 1 5P5 70EG.180-2M		4380lm	31.5W	159mA (88%)	4380lm	35.8W	180mA (100%)
NOOS 1 5P5 70EG.200-2M	STE-M STU-M STW SV	4780lm	35W	176mA (88%)	4760lm	40W	200mA (100%)
NOOS 1 5P5 70EG.090-2M		2350lm	17.3W	81mA (90%)	2350lm	19.1W	90mA (100%)
NOOS 1 5P5 70EG.100-2M		2610lm	19.1W	90mA (90%)	2600lm	21.2W	100mA (100%)
NOOS 1 5P5 70EG.120-2M		3110lm	22.1W	108mA (90%)	3100lm	24.5W	120mA (100%)
NOOS 1 5P5 70EG.140-2M		3590lm	25.5W	125mA (89%)	3590lm	28.7W	140mA (100%)
NOOS 1 5P5 70EG.160-2M		4070lm	28.2W	143mA (89%)	4050lm	31.7W	160mA (100%)
NOOS 1 5P5 70EG.180-2M		4480lm	31.5W	159mA (88%)	4480lm	35.8W	180mA (100%)
NOOS 1 5P5 70EG.200-2M		4870lm	34.8W	175mA (87%)	4870lm	40W	200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.

Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.

Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.

The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 4000K, 100% of flux)			(Tq=25°C, 2700K, 75% of flux)		
NOOS 1 5P5 70EG.090-2M	S05	2550lm	19.1W	90mA (100%)	1930lm	16.1W	75mA (83%)
NOOS 1 5P5 70EG.100-2M		2830lm	21.2W	100mA (100%)	2130lm	17.7W	83mA (83%)
NOOS 1 5P5 70EG.120-2M		3370lm	24.5W	120mA (100%)	2550lm	21.2W	100mA (83%)
NOOS 1 5P5 70EG.140-2M		3900lm	28.7W	140mA (100%)	2940lm	23.7W	116mA (82%)
NOOS 1 5P5 70EG.160-2M		4400lm	31.7W	160mA (100%)	3300lm	26.8W	131mA (81%)
NOOS 1 5P5 70EG.180-2M	STE-S	4870lm	35.8W	180mA (100%)	3670lm	29W	147mA (81%)
NOOS 1 5P5 70EG.200-2M		5290lm	40W	200mA (100%)	3980lm	31.9W	161mA (80%)
NOOS 1 5P5 70EG.090-2M	STE-M	2610lm	19.1W	90mA (100%)	1970lm	16.1W	75mA (83%)
NOOS 1 5P5 70EG.100-2M		2890lm	21.2W	100mA (100%)	2170lm	17.7W	83mA (83%)
NOOS 1 5P5 70EG.120-2M		3450lm	24.5W	120mA (100%)	2600lm	21.2W	100mA (83%)
NOOS 1 5P5 70EG.140-2M		3990lm	28.7W	140mA (100%)	3000lm	23.7W	116mA (82%)
NOOS 1 5P5 70EG.160-2M		4500lm	31.7W	160mA (100%)	3400lm	27W	132mA (82%)
NOOS 1 5P5 70EG.180-2M	STU-M	4980lm	35.8W	180mA (100%)	3760lm	29W	147mA (81%)
NOOS 1 5P5 70EG.200-2M		5410lm	40W	200mA (100%)	4080lm	31.9W	161mA (80%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 4000K, 100% of flux)			(Tq=25°C, 3000K, 75% of flux)			(Tq=25°C, 2700K, 50% of flux)		
NOOS 1 5P5 70EG.090-2M	S05	2550lm	19.1W	90mA (100%)	1930lm	15.5W		1290lm	11.1W	49mA (54%)
NOOS 1 5P5 70EG.100-2M		2830lm	21.2W	100mA (100%)	2140lm	17.1W		1430lm	12.2W	55mA (55%)
NOOS 1 5P5 70EG.120-2M		3370lm	24.5W	120mA (100%)	2530lm	20.2W		1700lm	14.3W	66mA (55%)
NOOS 1 5P5 70EG.140-2M		3900lm	28.7W	140mA (100%)	2940lm	22.7W		1950lm	16.3W	76mA (54%)
NOOS 1 5P5 70EG.160-2M		4400lm	31.7W	160mA (100%)	3300lm	25.5W		2200lm	18.3W	86mA (53%)
NOOS 1 5P5 70EG.180-2M	STE-S	4870lm	35.8W	180mA (100%)	3670lm	28.7W		2450lm	20.4W	96mA (53%)
NOOS 1 5P5 70EG.200-2M		5290lm	40W	200mA (100%)	3980lm	30.3W		2650lm	21.2W	104mA (52%)
NOOS 1 5P5 70EG.090-2M	STE-M	2610lm	19.1W	90mA (100%)	1970lm	15.5W		1320lm	11.1W	49mA (54%)
NOOS 1 5P5 70EG.100-2M		2890lm	21.2W	100mA (100%)	2190lm	17.1W		1460lm	12.2W	55mA (55%)
NOOS 1 5P5 70EG.120-2M		3450lm	24.5W	120mA (100%)	2610lm	20.4W		1740lm	14.3W	66mA (55%)
NOOS 1 5P5 70EG.140-2M		3990lm	28.7W	140mA (100%)	3010lm	22.7W		2020lm	16.5W	77mA (55%)
NOOS 1 5P5 70EG.160-2M		4500lm	31.7W	160mA (100%)	3400lm	25.7W		2250lm	18.3W	86mA (53%)
NOOS 1 5P5 70EG.180-2M	STU-M	4980lm	35.8W	180mA (100%)	3750lm	28.7W		2500lm	20.4W	96mA (53%)
NOOS 1 5P5 70EG.200-2M		5410lm	40W	200mA (100%)	4070lm	30.3W		2730lm	21.4W	105mA (52%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

NOOS 1 4P4 EG

MAX LUMINOUS FLUX AND POWER

LUMINAIRE	OPTIC	LED CURRENT (mA)	LUMINAIRE FLUX* (4000K, lm)	LUMINAIRE FLUX* (3000K, lm)	LUMINAIRE FLUX* (2700K, lm)	LUMINAIRE POWER* (W)	LUMINAIRE EFFICACY (4000K, lm/W)
NOOS 1 4P4 70EG.120-2M		120	2700	2530	2430	19.6	137.7
NOOS 1 4P4 70EG.140-2M	S05	140	3120	2930	2810	23	135.6
NOOS 1 4P4 70EG.160-2M	S07	160	3520	3310	3170	25.4	138.5
NOOS 1 4P4 70EG.180-2M	STE-S	180	3890	3660	3510	28.7	135.5
NOOS 1 4P4 70EG.200-2M		200	4230	3980	3810	31.9	132.6
NOOS 1 4P4 70EG.120-2M		120	2730	2570	2460	19.6	139.2
NOOS 1 4P4 70EG.140-2M	STA	140	3160	2970	2840	23	137.3
NOOS 1 4P4 70EG.160-2M	STA1	160	3570	3350	3210	25.4	140.5
NOOS 1 4P4 70EG.180-2M	STU-S	180	3940	3710	3550	28.7	137.2
NOOS 1 4P4 70EG.200-2M		200	4280	4020	3850	31.9	134.1
NOOS 1 4P4 70EG.120-2M		120	2790	2620	2510	19.6	142.3
NOOS 1 4P4 70EG.140-2M	STE-M	140	3230	3040	2910	23	140.4
NOOS 1 4P4 70EG.160-2M	STU-M	160	3650	3430	3280	25.4	143.7
NOOS 1 4P4 70EG.180-2M	STW	180	4030	3790	3630	28.7	140.4
NOOS 1 4P4 70EG.200-2M	SV	200	4380	4120	3940	31.9	137.3

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
 Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
 Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
 The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH CONSTANT FLUX PROFILE (TWC1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 4000K, 100% of flux)			FLUX LUMINAIRE POWER LED CURRENT* (Tq=25°C, 2700K, 100% of flux)		
NOOS 1 4P4 70EG.120-2M		2440lm	17.7W	108mA (90%)	2430lm	19.6W	120mA (100%)
NOOS 1 4P4 70EG.140-2M	S05	2830lm	20.6W	126mA (90%)	2810lm	23W	140mA (100%)
NOOS 1 4P4 70EG.160-2M	S07	3180lm	22.6W	143mA (89%)	3170lm	25.4W	160mA (100%)
NOOS 1 4P4 70EG.180-2M	STE-S	3520lm	25.4W	160mA (88%)	3510lm	28.7W	180mA (100%)
NOOS 1 4P4 70EG.200-2M		3820lm	28W	176mA (88%)	3810lm	31.9W	200mA (100%)
NOOS 1 4P4 70EG.120-2M		2470lm	17.7W	108mA (90%)	2460lm	19.6W	120mA (100%)
NOOS 1 4P4 70EG.140-2M	STA	2840lm	20.5W	125mA (89%)	2840lm	23W	140mA (100%)
NOOS 1 4P4 70EG.160-2M	STA1	3220lm	22.6W	143mA (89%)	3210lm	25.4W	160mA (100%)
NOOS 1 4P4 70EG.180-2M	STU-S	3550lm	25.3W	159mA (88%)	3550lm	28.7W	180mA (100%)
NOOS 1 4P4 70EG.200-2M		3850lm	27.9W	175mA (87%)	3850lm	31.9W	200mA (100%)
NOOS 1 4P4 70EG.120-2M		2520lm	17.7W	108mA (90%)	2510lm	19.6W	120mA (100%)
NOOS 1 4P4 70EG.140-2M	STE-M	2930lm	20.6W	126mA (90%)	2910lm	23W	140mA (100%)
NOOS 1 4P4 70EG.160-2M	STU-M	3290lm	22.6W	143mA (89%)	3280lm	25.4W	160mA (100%)
NOOS 1 4P4 70EG.180-2M	STW	3630lm	25.3W	159mA (88%)	3630lm	28.7W	180mA (100%)
NOOS 1 4P4 70EG.200-2M	SV	3940lm	27.9W	175mA (87%)	3940lm	31.9W	200mA (100%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
 Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
 Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
 The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH ONE STEP REDUCTION PROFILE (TWS1)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 4000K, 100% of flux)			(Tq=25°C, 2700K, 100% of flux)		
NOOS 1 4P4 70EG.120-2M		2700lm	19.6W	120mA (100%)	2030lm	17W	100mA (83%)
NOOS 1 4P4 70EG.140-2M	S05	3120lm	23W	140mA (100%)	2350lm	19W	116mA (82%)
NOOS 1 4P4 70EG.160-2M	S07	3520lm	25.4W	160mA (100%)	2640lm	21.5W	131mA (81%)
NOOS 1 4P4 70EG.180-2M	STE-S	3890lm	28.7W	180mA (100%)	2920lm	23.1W	146mA (81%)
NOOS 1 4P4 70EG.200-2M		4230lm	31.9W	200mA (100%)	3190lm	25.6W	161mA (80%)
NOOS 1 4P4 70EG.120-2M		2730lm	19.6W	120mA (100%)	2060lm	17W	100mA (83%)
NOOS 1 4P4 70EG.140-2M	STA	3160lm	23W	140mA (100%)	2380lm	19W	116mA (82%)
NOOS 1 4P4 70EG.160-2M	STA1	3570lm	25.4W	160mA (100%)	2690lm	21.7W	132mA (82%)
NOOS 1 4P4 70EG.180-2M	STU-S	3940lm	28.7W	180mA (100%)	2960lm	23.1W	146mA (81%)
NOOS 1 4P4 70EG.200-2M		4280lm	31.9W	200mA (100%)	3210lm	25.4W	160mA (80%)
NOOS 1 4P4 70EG.120-2M		2790lm	19.6W	120mA (100%)	2110lm	17W	100mA (83%)
NOOS 1 4P4 70EG.140-2M	STE-M	3230lm	23W	140mA (100%)	2430lm	19W	116mA (82%)
NOOS 1 4P4 70EG.160-2M	STU-M	3650lm	25.4W	160mA (100%)	2750lm	21.7W	132mA (82%)
NOOS 1 4P4 70EG.180-2M	STW	4030lm	28.7W	180mA (100%)	3040lm	23.3W	147mA (81%)
NOOS 1 4P4 70EG.200-2M	SV	4380lm	31.9W	200mA (100%)	3300lm	25.6W	161mA (80%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.

LUMINOUS FLUX AND POWER WITH TWO-STEP REDUCTION PROFILE (TWS2)

LUMINAIRE	OPTIC	FLUX LUMINAIRE POWER LED CURRENT*			FLUX LUMINAIRE POWER*			FLUX LUMINAIRE POWER LED CURRENT*		
		(Tq=25°C, 4000K, 100% of flux)			(Tq=25°C, 3000K, 75% of flux)			(Tq=25°C, 2700K, 50% of flux)		
NOOS 1 4P4 70EG.120-2M		2700lm	19.6W	120mA (100%)		2040lm	16.3W	1360lm	11.6W	66mA (55%)
NOOS 1 4P4 70EG.140-2M	S05	3120lm	23W	140mA (100%)		2350lm	18.2W	1560lm	13.1W	76mA (54%)
NOOS 1 4P4 70EG.160-2M	S07	3520lm	25.4W	160mA (100%)		2640lm	20.5W	1780lm	14.9W	87mA (54%)
NOOS 1 4P4 70EG.180-2M	STE-S	3890lm	28.7W	180mA (100%)		2930lm	23W	1950lm	16.3W	96mA (53%)
NOOS 1 4P4 70EG.200-2M		4230lm	31.9W	200mA (100%)		3180lm	24.3W	2130lm	17.2W	105mA (52%)
NOOS 1 4P4 70EG.120-2M		2730lm	19.6W	120mA (100%)		2050lm	16.2W	1380lm	11.6W	66mA (55%)
NOOS 1 4P4 70EG.140-2M	STA	3160lm	23W	140mA (100%)		2380lm	18.2W	1580lm	13.1W	76mA (54%)
NOOS 1 4P4 70EG.160-2M	STA1	3570lm	25.4W	160mA (100%)		2690lm	20.6W	1800lm	14.9W	87mA (54%)
NOOS 1 4P4 70EG.180-2M	STU-S	3940lm	28.7W	180mA (100%)		2970lm	23W	1980lm	16.3W	96mA (53%)
NOOS 1 4P4 70EG.200-2M		4280lm	31.9W	200mA (100%)		3220lm	24.3W	2140lm	17W	104mA (52%)
NOOS 1 4P4 70EG.120-2M		2790lm	19.6W	120mA (100%)		2110lm	16.3W	1410lm	11.6W	66mA (55%)
NOOS 1 4P4 70EG.140-2M	STE-M	3230lm	23W	140mA (100%)		2430lm	18.2W	1630lm	13.3W	77mA (55%)
NOOS 1 4P4 70EG.160-2M	STU-M	3650lm	25.4W	160mA (100%)		2750lm	20.6W	1840lm	14.9W	87mA (54%)
NOOS 1 4P4 70EG.180-2M	STW	4030lm	28.7W	180mA (100%)		3040lm	23W	2020lm	16.3W	96mA (53%)
NOOS 1 4P4 70EG.200-2M	SV	4380lm	31.9W	200mA (100%)		3290lm	24.3W	2190lm	17W	104mA (52%)

*LUMINAIRE FLUX / LUMINAIRE POWER: Rated data obtained in laboratory. Tq=25°C, Vin=230Vac.
Values indicated in this technical sheet are to be considered rated values. Flux tolerance: ±7%. Power tolerance: ±10%.
Meets Dark Sky requirements when equipped with LEDs with a colour temperature of 3000K or less.
The characteristics of the product listed above are subjected to change without notice.